

Research in Physics and Radio Engineering

SOV/3827

G. Biorci and D. Pescetti (Journal of Applied Physics, Vol. 28, No. 7, 1957) is groundless. The author thanks Professor S.M. Rytov, Docent K.A. Geronina, and A.A. Grachev.

Tsybakov, B.S., and V.P. Yakovlev. Similarity Between an Object and Its Optical Image

25

Conditions at which the image of an object produced by an optic system will resemble the structure of the object are determined. It is shown that for objects of finite range a similar image is impossible. The results obtained in this study define more accurately the conditions of L.I. Mandel'shtam.

29

Tolstov, Yu.G. [Doctor of Technical Sciences, Professor]. Germanium Power Rectifiers

Problems of manufacture and application of germanium power rectifiers are clarified. Methods of determining the operational parameters of germanium power rectifiers as well as control methods using saturable reactors for these rectifiers are studied.

-0000 1/9

~~XOLACHEVSKIY, N.N.~~

Ferromagnetic core with large Barkhausen jumps in an alternating magnetic field. Trudy MFTI no.4:17-24 '59. (MIRA 13:9)

(Cores (Electricity)--Magnetic properties)
(Magnetic fields)

24(3)

AUTHOR:

Kolachevskiy, N. N.

SOV/56-36-2-8/63

TITLE:

Measurements of Noises in the Cyclic Remagnetization of
Ferromagnetic Substances at Low Temperatures (Ismereniya shumov
tsiklicheskogo peremagnichivaniya ferromagnitikov pri nizkikh
temperaturakh)

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959,
Vol 36, Nr 2, pp 401-403 (USSR)

ABSTRACT:

In the introduction several results obtained by other publications dealing with this subject are discussed (Refs 1-5). In the present paper the results of measurements of the noises of cyclically remagnetized ferromagnetic cores at temperatures of 2 to 300°K were investigated. A schematical drawing of the experimental order is shown by figure 1. The device consists in principle of two induction coils of 50 windings each containing the 32.0.65.0.3 mm sample, of an analyser which measured the mean noise voltage square within the range of from 1-200 kilocycles in the 15 cycle band, of the generator 3G-10, and of a galvanometer. The sample, together with the induction coils, were in a Dewar (Dyuar) vessel with liquid helium. The sample consisted of an iron silicide single crystal (3% Si), which,

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SUBMITTED: August 19, 1958

Card 2/2

KOLACHEVSKIY, N. N., Cand Phys-Math Sci (diss) -- "Investigation of static phenomena in the processes of cyclic remagnetization of ferromagnetic cores"
Moscow, 1960. 6 pp (Min Higher and Inter Spec Educ RSFSR, Moscow Phys-Tech Inst), 200 copies (KL, No 14, 1960, 126)

6.9411

20407
S/109/60/005/012/005/035
E192/E482AUTHOR: Kolachevskiy, N.N.

TITLE: On the Physical Nature of Magnetic Noise

PERIODICAL: Radiotekhnika i elektronika, 1960, Vol.5, No.12,
pp.1902-1908

TEXT: The paper is a continuation of the author's previous papers (Ref.1,2) in which the author claims to have given a proof that the assumption as to a possible relationship between magnetic noise and thermal fluctuations in the material are not confirmed experimentally. The present article constitutes an attempt to ascribe magnetic noise (Barkhausen effect) with sinusoidal excitation almost exclusively to fluctuations of the external magnetic field H_0 . The method consisted of connecting a noise generator in series with a sinewave generator and measuring the magnetic noise for various H_0 . Independently of H_0 the noise was doubled for a value $\sigma/H_0 \approx 5 \times 10^{-5}$. The value of σ/H_0 for the sinewave oscillator without noise modulation was 5×10^{-4} . In effect, the author demonstrates that, if the sinusoidal excitation is modulated by noise, a noise component will appear in the output. Acknowledgments are made to S.M.Rytov for his

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On the Physical Nature of ...

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E192/E482

continuous attention to the work. There are 8 figures and
6 Soviet references.

SUBMITTED: May 26, 1960

Card 2/2

20208

24.7900 (1147, 1158, 1160)

S/126/61/011/002/004/025
E073/E335AUTHOR: Kolachevskiy, N. N.TITLE: Experimental Investigations of the Influence of
Elastic Stresses, Heat Treatment and of the Crystal
Structure of Ferromagnetic Specimens on the Intensity
of Magnetic NoisePERIODICAL: Fizika metallov i metallovedeniye, 1961, Vol. 11,
No. 2, pp. 211 - 214

TEXT: In earlier work (Tr. MFTI, 1959, 4, 17 - Ref. 5), the author has shown that in specimens with a small number of large Barkhausen jumps the magnetic noise is associated with fluctuations in the variation of the magnetic flux during the jump in various remagnetisation half-cycles. In annealed 0.12 mm dia. nickel wire, these fluctuations amounted to about 50% of the average flux. There is no reason to assume that in specimens with a larger number of small jumps the mechanism of fluctuations is different. In earlier work (Tr. MFTI, 1958, 2, 41 - Ref. 6), the author found that the intensity of noise was dependent on the temperature in the same way as the average magnitude of the

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Experimental Investigations . . .

S/126/61/011/002/004/025
E073/E335

change of the magnetic flux in the specimens produced by the Barkhausen jump. In the above mentioned earlier work the change in the magnetic flux of the specimen caused by the Barkhausen effect was determined by the ballistic method and from the oscillograms of the jumps. The author considered it of interest to establish to what extent the intensity of the magnetic noise was determined by the magnitude of the Barkhausen jumps in the specimen. This problem is important from the practical point of view since the results of these investigations can be utilised for the purpose of selecting optimum properties of ferromagnetic cores for use in devices with low noise levels. In investigating the influence of elastic stresses it was found that under otherwise equal conditions the intensity of the magnetic noise was determined by the magnitude of the Barkhausen jumps. Grain dimensions in polycrystalline specimens had no effect on the intensity of the magnetic noise and this is attributed to the small linear dimensions of the areas encompassed by the Barkhausen jumps. The heat treatment

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Experimental Investigations

does influence the magnetic-noise spectrum. Fig. 4 shows the magnetic-noise spectra of a specimen from 78% permalloy, F in $V^2/c.p.s.turns^2$ versus f , kc/s; the top curve relates to 0.3 mm wire without heat treatment, bottom curve to wire annealed in vacuum at $900^{\circ}C$ and cooled at a speed not exceeding $150^{\circ}C/h$. Comparison of these curves confirms that the spectral intensity of the magnetic noise does depend on the magnitude of the Barkhausen jumps. There are 4 figures, 1 table and 11 references: 5 Soviet and 6 non-Soviet.

ASSOCIATION: Moskovskiy fiziko-tehnicheskiy institut
(Moscow Physicotechnical Institute)

SUBMITTED: June 15, 1960 (initially),
September 3, 1960 (after revision)

Card 3/4

S/109/63/008/001/007/025
D271/D308

AUTHORS: Kolachevskiy, N. N. and Rozhdestvenskiy, V. V.

TITLE: Investigation of the low frequency spectrum of magnetic noise

PERIODICAL: Radiotekhnika i elektronika, v. 8, no. 1, 1963, 53-56

TEXT: Results are reported of an experimental study of magnetic noise in the range of 5 - 500 c/s, with magnetizing current frequencies between 3 and 30 c/s. The only satisfactory models of magnetic noise are those for which $F(\omega) = 0$ at $\omega = 0$ where $F(\omega)$ is the spectral density of noise. It is easier to find a suitable model when large Barkhausen jumps are considered. An expression for the spectrum is quoted from a paper by N. N. Kolachevskiy ('Tr. MFTI, 1959, 4, 17) which is valid when a single Barkhausen jump occurs in each half-cycle, the magnetic moment is subjected, from cycle to cycle, to non-correlated fluctuations, the jump accounts for the magnetization reversal in a part of the specimen whereas reversible processes take place in the remaining part, and EMF

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Investigation of the low ...

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D271/D308

pulses induced in the indicating coil are exponential with the time constant $1/\lambda$. It is further assumed that $\omega \ll \lambda$. At frequencies three times higher than the magnetizing field frequency, the noise spectrum is practically constant, below this limit it falls rapidly. It is therefore necessary to apply very low magnetizing frequencies in the study of low frequency spectrum. A block diagram of the experimental apparatus for noise analysis is given and conditions of measurement are described. A piece of thin nickel wire was moved inside the coil in order to find the place where a single jump occurred. λ was about 5000 sec^{-1} in hard wire, and about 6 times smaller in annealed wire. Noise spectra in both hard and annealed wire are shown in graphs. A fall of $F(\omega)$ was observed in the annealed wire both at low and at relatively high frequencies where the time constant begins to matter. The experiments confirmed the validity of the statistical model of fluctuations described in the paper quoted above. There are 5 figures.

SUBMITTED: March 6, 1962

Card 2/2

L 10335-63

ACCESSION NR: AP3000992

8/0109/63/008/006/0959/0963

44

AUTHOR: Kolachevskiy, N. N.

TITLE: Noise of a ferrite modulator based on the Faraday effect

SOURCE: Radiotekhnika i elektronika, v. 8, no. 6, 1963, 959-963

TOPIC TAGS: Faraday effect modulator, noise measurements

ABSTRACT: The noise introduced by the Faraday rotation modulation in a 3-cm band receiver using ferrite modulators has been measured. A block diagram of the measuring system is shown in Fig. 1 of Enclosure. The output waveguides of the two modulators (with identical characteristics) were rotated 90° from their input. From detectors D sub 1 and D sub 2 the modulated voltages proceeded to the summing element, where subtraction of the discrete signals took place. The resulting voltage was amplified by A' sub 1 and fed to the twin tee bridge-type filter F sub 1, which was tuned to the applied modulation frequency of 25 cps. Then the voltage was fed to linear detector D sub 3, 1-f ($^{0.5}$ to 10 cps) filter F sub 2, amplifier A' sub 2, square-law detector D sub 4,

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L 10335-63

ACCESSION NR: AP3000992

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d-c filter F_{sub} 3, and the measuring instrument. Thus, the problem consisted in measuring current dispersion at the D_{sub} 3 output, which depended solely on its noise voltage input. The accuracy of noise measurement was evaluated at 20 to 30%. The signal frequency used was 9455 Mcps, at a constant input of 0.5 mw; the modulators were the Ni-Fe type with an insertion loss of 8 db. In order to detect noise in the form of random fluctuations in the periodic rotation angle, sensing coils were added to the magnetic circuit, connected so as to cancel periodic signals. Analysis of resultant noise spectral density showed that the maximum magnetic noise occurred in the sharpest region of the magnetization curve and corresponded to a magnetic field which is approximately equal to the coercive force of the ferrite. From the fact that noise spectral density peaks at a low value of rotation angle and then drops off, it is concluded that the modulation noise results from the magnetic noise in the ferrite rather than from absorption fluctuations in the ferrite during magnetization reversals. "The author thanks his student M. K. Razmakhin for the latter's help in the conduct of the experiment." Orig. art. has: 7 figures and 1 formula.

ASSOCIATION: none

Card 2/4

GOL'DIN, L.L., doktor fiz.-mat. nauk; KOZEL, S.M.; KOLACHEVSKIY,
N.N.; MAZAN'KO, I.P.; NOGINOVA, L.V.; RADKEVICH, T.A.;
RUZOZINSKIY, K.A.; KUZNETSOVA, Ye.B., red.

[Laboratory manual on physics] Rukovodstvo k laboratornym
zaniatiiam po fizike. Moskva, Izd-vo "Nauka," 1964. 579 p.
(MIRA 17:6)

L 4:141-65 EMT(1)/ECC(k)-2/ECC-4/T/ECC(b)-2/ECD-2/ENR(h) Pm-4/Pn-4/Pz-6/
Pee-2/F1-4 IJP(c) CC

ACCESSION NR: AP5010722

UR/0181/65/007/004/1119/1123/3

AUTHOR: Kolachevskiy, N. N.; Rozhdestvenskiy, V. V.

TITLE: Generation recombination noise in indium antimonide photo-resistor

27

SOURCE: Fizika tverdogo tela, v. 7, no. 4, 1965, 1119-1123

TOPIC TAGS: infrared detector, photodiode, indium antimonide detector, photodetector, photon counter, generation recombination noise, detector noise

ABSTRACT: The generation recombination noise of an InSb photodetector was investigated at temperatures >77K and at various infrared radiation levels. A 6 x 0.5 x 0.015 mm sample with nonrectifying contacts was attached to the glass bottom of a Dewar vessel. Incident infrared radiation from a black body was passed through a sapphire window. The noise spectra obtained (see Fig. 1 of Enclosure) showed a two-step structure, indicating at least two different types of generation recombination processes. The low-frequency part of the spectrum was attributed to trapping of holes by acceptors; the high-frequency part, to recombination of excess carriers. The latter part of the spectrum is indicated.

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ACCESSION NR: AP5010722

with generation recombination of excess holes only. The noise spectrum of excess carriers was thus attributed to generation recombination. The temperature dependence of the lifetime of excess carriers was found to be in good agreement with the theoretical prediction. The dependence of the lifetime of excess carriers on the number of incident photons, per unit time, was determined and found to be in agreement with the formula derived by authors for the case of excess carriers. From the noise parameters and the resistivity of the sample at a frequency of 1 Kc, the noise equivalent power of the detector in the 1 cps bandwidth was found to be 5.2×10^{-11} w. Orig. art. has: 13 formulas and 5 figures. [CS]

ASSOCIATION: Moskovskiy fiziko-tekhnicheskiy institut (Moscow Physico-technical Institute)

SUBMITTED: 26 May 64

ENCL: 01

SUB CODE: EC

NO REF Sov: 001

OTHER: 108

ATD PRESS: 3247

Card 2/3

L 44141-65

ACCESSION NR: AP5010722

ENCLOSURE: 01

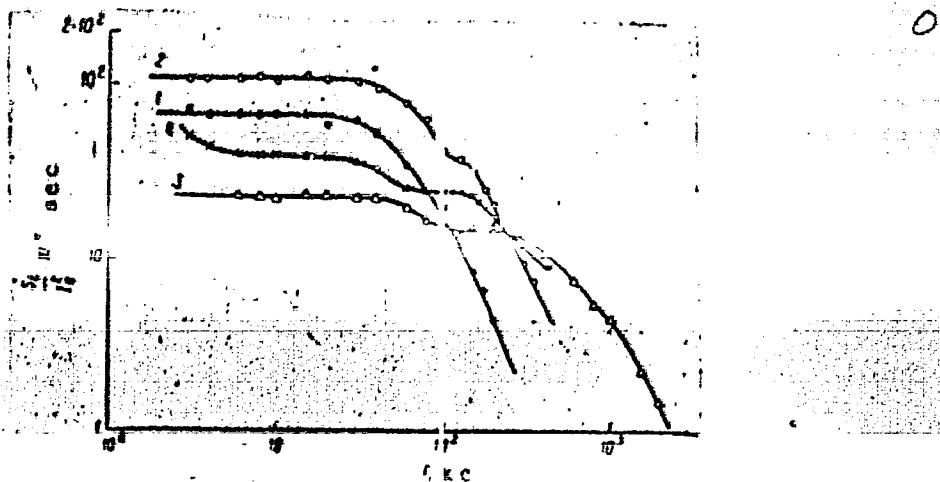


Fig. 1. Typical noise spectra

g, 1/sec: 1 - 0; 2 - 3×10^{14} ; 3 - 8.2×10^{15} ;
4 - 3×10^{14} / TV °K; 1-3 - 86; 4 - 100.

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L 01826-66 ENT(d)/ENT(m)/EEC-4/ENP(t)/EEI-2/ENP(b) IJP(c) JD

ACCESSION NR: AP5020127

UR/0109/65/010/008/1486/1488

621.376.223.029.64

554

24

B

AUTHOR: Gavrilov, I. A.; Kolachevskiy, N. N. 554

TITLE: Evaluation of the noise level of a germanium injection modulator 554

SOURCE: Radiotekhnika i elektronika, v. 10, no. 8, 1965, 1486-1488

TOPIC TAGS: injection modulator, free hole lifetime, ferrite modulator, klystron modulator, UHF modulator

ABSTRACT: The noise characteristics and the transient and frequency response of injection modulators based on n-type Ge are investigated. Two samples in the form of rectangular prisms (35 x 5 x 3.5 mm), with resistivities of 10 ohm-cm (sample A) and 40 ohm-cm (sample B)) were mounted on the opposite ends of a T-joint waveguide. The measurements were made at 9300 Mc with a modulating signal applied directly to the ohmic contacts. The pulse response of the forward biased junction indicated a free-hole lifetime of 80 usec for sample A and 200 usec for sample B. Determination of power loss as a function of

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L 01826-66

ACCESSION NR: AP5020127

applied d-c current, I flowing through the p-n junction showed that the loss at $I = 15$ μ amp relative to the loss at $I = 0$ was 2.8 db for sample B and 0.5 db for sample A. The noise level was measured in the following fashion: First, the noise introduced by the signal detectors was calibrated by a klystron modulator modulated by a 25-cps sine wave. Next, the klystron was replaced with the semiconductor modulator (sample B) and the noise level again measured. The negligible difference (< 10%) in readings of the noise spectral density indicates that the noise level of the injection modulators is below $5 \times 10^{-16} \text{v}^2/\text{cps}$. Orig. art. has: 5 figures. (BD)

ASSOCIATION: none

SUBMITTED: 22 May 64

ENCL: 00

SUB CODE: EC

NO REF Sov: 006

OTHER: 002

ATD PRESS: 4086

Card 2 / 2

KOZEL, Stanislav Mironovich; KOLACHEVSKIY, Nikolay Nikolayevich;
KOSOUROV, Georgiy Ivanovich; MAZAN'KO, Igor' Pavlovich;
BUKHOVTSEV, B.B., red.

[Problems in physics] Sbornik zadach po fizike. Moskva,
Nauka, 1965. 287 p. (MIRA 18:9)

L 46951-66 EWT(1)/EWT(m)/EWP(t)/ETI IJP(r) JD/AT
ACC NR: AP6031027

SOURCE CODE:UR/0109/66/011/009/1616/1623

55
53
B

AUTHOR: Kozel, S. M.; Kolachevskiy, N. N.; Noginov, A. M.

ORG: none

TITLE: Experimental investigation of spectral distributions of noise in Ge and Si
photodiodes

SOURCE: Radiotekhnika i elektronika, v. 11, no. 9, 1966, 1616-1623

TOPIC TAGS: photodiode, photodiode noise, SEMICONDUCTOR BAND STRUCTURE,
PHOTOELECTRIC PROPERTY

ABSTRACT: The spectral distribution of noise was measured by three spectroanalyzers within a 2 cps — 35 Mc band. Measurement of the spectral density of photocurrent fluctuation in the 0.2—2-Mc band showed that the excess noise varied widely in individual Ge diodes of the same lot. At 500 cps, the noise characteristics of Ge diodes were unstable as evidenced by a slow build-up of 1-f noise after turning on the diode; in some specimens, the noise increased by one order of magnitude in 20 min.; the time of settling of the excess noise strongly depended on the bias voltage. Plots of the noise current vs. frequency (0.25—35 Mc) representing the shot effect of Ge photodiodes in the plateau region are shown. The G. Spescha et al. conclusion (Sci. Electrica, 1959, 5, 4, 121) that the photodiode is more inertial with respect to a modulated light signal than with respect to

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UDC:621.383.52:621.391.822

L 46951-66

ACC NR. AP6031027

its own noise was corroborated by these authors' experiments. This difference practically disappeared in thin-base diodes. "In conclusion, the authors wish to thank A. I. Frimer for lending the specimens and discussing the results and I. A. Gavrilov who developed a hookup for measuring photodiode sensitivity and carried out the measurements." Orig. art. has: 9 figures and 8 formulas. [03]

SUB CODE: 09 / SUBM DATE: 08May65 / ORIG REF: 004 / OTH REF: 003 / ATD PRESS: 5089

Card 2/2 als

KOLACI, František

Determining the kilometer run of a motor before its general
overhaul. Siln. doprava 11 no. 5:18 My '63.

1. Vyzkumny ustav dopravní, Praha.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723720001-9

KOLACINSKI, Tadeusz

Influence of the number of size doublings of fiber groups in a
yarn section. Przegl Wlokienn 18 no.12:545-548 D '64.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723720001-9"

KOLACINSKI, Z.

Kind of mistakes made in working with circular knitting machines, p. 11. (ODZIEZ,
Lodz, Vol. 6, no. 1, Jan. 1955.)

SO: Monthly List of East European Accesions, (EEAL), LC, Vol 4, No. X, Jan. 1955,
Uncl.

HOREJSI, J.; CHUDOMEL V.; JEZKOVA, Z.; KOUT, M.; SOUSEK, O. Technicka
spoluprace: VOLACKOVA, Helena

Antibodies against the liver - their importance in the clinical aspects
of hepatopathy. I. Acute hepatitis. Cas.lek.cesk 100 no.38/39:1205-1213
29 S '61.

1. Ustav hematologie a krevni transfuse v Praze, prednosta prof. MUDr.
J. Horejsi, laborator pro metabolismus blikovin fakulty vseob. lek. v
Praze, prednosta prof. MUDr. J. Horejsi, oddeleni inf. hepat. v Motole,
prednosta MUDr. O. Sousek.

(HEPATITIS immunol)

GOTTWALD, J.; HELCL, J.; KOLACKOVA, J.

Epidemic of Asian influenza in an infant collective. Cesk.pediat.
14 no.9:785-790 S '59.

1. Kojenecky ustav Veska u Pardubic, reditel dr. J. Gottwald,
KHS Pardubice, reditel dr. Jr. Horak.
(INFLUENZA ASIAN in inf.& child.)

CZECHOSLOVAKIA

Eduard KRIPPEL and Maria KOLACKOVSKA, Geological Institute (Geologicky ustav) "Dionyza Stura", Bratislava.

"Listing of Paleobotany Studies About Slovak Territory Until 1960."

Bratislava, Biologia, Vol 18, No 6, 1963; pp 477-480.

Abstract: Bibliography of about 80 articles and monographs pertaining to paleobotanical studies on the territory of Slovakia and published in a great variety of primarily German and Czechoslovak periodicals between 1851 and 1960.

L/1

17

KRIPPEL, Eduard; KOLACKOVSKA, Maria

An adapter for the microphotograph revolver. Biologia (Bratisl.)
19 no.3:197-199 '64.

1. Geologicky ustav Dionyza Stura v Bratislave.

KOLACNY, A.

Czechoslovakia

Der Weg und die Aufgaben der Schaffung und Herausgabe kleimassstablicher Karten und Atlanten in der CSR (tschech.) S. 4-8

SO: Vermessungs Technik, Nov 1955, Unclassified.

KOLACNY, Antonin, inz., CSc.

Mathematical basis of maps of the National Atlas of the
Czechoslovak Socialist Republic. Geodet kart obzor 10
no. 7:160-165 J1 '64.

Establishment of a unified system of cartographic teaching
aids. Ibid.:165-169

1. Research Institute of Geodesy, Topography and Cartography,
Prague.

KOLACNY, Antonin, inz. CSc.; KOUBA, Jaroslav, inz.

Cartography at the 20th Congress of the International Geographic Union and at the Conference of the International Cartographic Association. Geod kart obzor 11 no.2:45-47 F '65.

KOLACNY, V.

YUGO.

Thiocarbamides and 2-thio-4-(phthalimidomethyl)thiazolidin-5-ones of *N*-phthaloyl amino-aldehydes. Preparation and antibacterial activity. I. Kolacny, V.

Silman, B., Bullo, H., Balcar, and J. Kolacny. "Zagreb, Yugoslavia). Acta Chem. 26, 11-9 (1941) (in English).—Six thiocarbamides of phthalimidomethylaldehydes and five 2-thio-4-(phthalimidomethylidene)thiazolidin-5-ones were prep'd. and tested against *Staphylococcus aureus*, *Bacillus dysenteriae*, *Escherichia coli*, and *Enterobacter* by the Food and Drug Administration method. Thiocarbamides showed activity, while the thiazolidinones were generally inactive. Some of these compounds were tested also by the Oxford Cup Assay method against the same microorganisms. A new procedure for prep'n. of 2-mercapto-2-thiazolin-5-one (I) is given. To 30 g. dried, finely powd. $\text{H}_4\text{NCH}_2\text{CN}$, H_2SO_4 , 30 ml. MeOH , and a small amt. of phenolphthalein indicator were added, a soln. of 7 g. Na in 150 ml. abs. MeOH dropped in with stirring during 0.5 hr. at 0° until a red coloration developed; the Na_2SO_4 filtered off and washed with 25 ml. abs. MeOH ; the filtrates evapd. to $\frac{1}{2}$ (—) secos under N at a max. temp. of 40°, alkalinized with a few ml. MeONa soln., evapd. to dryness during 15 min. (max.), 1

ml. of a soln. of 0.1 g. Na in 3.5 ml. EtOH, then 17 ml. dry MeCO added, the mixt. allowed to stand 1 hr. and occasionally shaken to give solid 2,2-dimethyl-3-iminotetrahydronaphthalene. This was dissolved in 20 ml. H₂O, evapd. *in vacuo*, dissolved in 120 ml. abr. EtOH, 7 ml. CS₂ added, kept overnight, and scratched to crystallize 20 g. H₂NCOCH₂NH-CSNH₂CH₂CCNH₂, which was dried, powdered, and dissolved in 50 ml. concd. HCl at 0°, then 100 ml. H₂O were added and the mixt. let stand overnight at 0° to give 10 g. I, m. 300° (decompn.). By addn. of a satd. aq. soln. of H₂NCSNH₂ to satd. EtOH solns. of various phthalimidoaldehydes (II), keeping the mixt. 48 hrs., and cryst. from 1:1 ROEt-H₂O, the following *o*-C₆H₄(CO)₂NCHRCH₂-NNHC₆H₄ were prep'd. (R, optical configuration, and m.p. given): II, —, 213-13.5°; III, —, 205.5-7°; Mer-CHCH₃, dl., 195-6°; EtOCH₃, dl., 193-8°; *p*-MeCC₆H₄CH₃, l., 143°; Me₂CH, nl., 205.5-0.5°. By condensing various II with I (cf. Billimoria and Cook, *C.A.* 44, 1966) following *o*-C₆H₄(CO)₂NCHRCH₂-C(NH₂)C(S)S.CO were prep'd. (R and n.p. given): Me₂CH, 195-6°; EtOCH₃, 195.5-7°; Et, 182-8.5°. E. Gustaf —

KOLACNY J.

YUGOSLAVIA/Microbiology - Microbiology Pathogenic to Humans and
Animals.

F-4

Abs Jour : Ref Zhur - Biol., No 12, 1958, 52854

Author : Kolacny, J.

Inst :

Title : Pyroconic Substances and Microflora of Solutions Intro-
duced Parenterally.

Orig Pub : Farmac. Glasnik, 1957, 13, No 6, 263-276.

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723720001

KOLACNY, Jaroslav
Granting bonuses for contribution to the technical develop-
ment of the furniture industry. Drevo 18 no. 12: 459-461
D '63.

1. Vyvoj nabytkarskeho prumyslu, Brno.

KOLACNY, Jaroslav; PAVLICA, Jan, dr.

Veneering furniture parts. Drevo 19 no.7:259-262 J1 '64.

1. Development of Furniture Industry, Brno.

KOLACNY, Jaroslav; PALICA, Jan, dr.

Machines for polishing furniture part surfaces. Drevo 20 no.4:
139-142 Ap '65.

1. Vyvoj nabytkarskeho prumyslu, Brno.

KOLACNY, Jaroslav; PAVLICA, Jan, dr.

Selection of sizing saws. Drevo 19 no.8:299-301 Ag '64

1. Vyvoj nabytkarskeho prumyslu, Brno.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723720001-9

KOLACEK, Jaroslav, Dr.; Banska Bystrica.

~~Evulatio nervi optici.~~ Cesk. oft. 12 no.5:389-391 Oct 56.

(NERVES, OPTIC, wounds and injuries,
evulsion (Cs))

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723720001-9"

KOLACNY, Jaroslav; PAVLICA, Jan, dr.

Gang drillers. Trevo 20 no.1:19-23 Ja '65.

1. Vyvoj nabytkarskeho prumyslu, Brno.

KOLACNY, Jaroslav; PAVLICA, Jan, dr.

Sanding edges of furniture parts and moldings. Drevo 20 no.3:
99-102 Mr '65.

1. Vyvoj nabytkarskeho prumyslu, Brno.

KOLACNY, Jaroslav; PAVLICA, Jan, dr.

Finish grinding of plane furniture parts. Drevo 19 no.10:379-
382 O '64.

1. Vyvoj nabytkarskeho prumyslu, Brno.

KOLACSEK, Andras, dr., adjunktus; MARKOS, Bela, dr., meghivott előadó

Tourism in Hungary in 1963. Stat szemle 42 no.8/9:823-836
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AUTHOR: Kolaczkowski, S.; Byczynski, H.

ORG: Research Facility, Institute of Communal Economy, Poznan, Poland

TITLE: Oxidation of iron (II) hydrogen carbonate solutions by means of atmospheric oxygen

SOURCE: Zeitschrift fur anorganische und allgemeine Chemie, v. 342, no. 1-2, 1966, 103-107

TOPIC TAGS: hydrolysis, oxidation, iron compound

ABSTRACT: Due to hydrolysis reactions, an aqueous solution of $\text{Fe}(\text{HCO}_3)_2$ is easily oxidized to yellow $\alpha\text{-FeOOH}$ by atmospheric oxygen. In the presence of an appropriate amount of CO_2 , however, the Fe^{++} ions are stable against atmospheric oxygen. These observations were made with solutions having, in both cases, a pH of about 6. The authors thank Prof., Doctor A. Krause, Poznan for his interest. Orig. art. has: 1 figure and 2 tables. [Based on authors' Eng. abstract] [JPRS]

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AUTHOR : Janicki, M.A., Kolaczyk, S.

INST. :

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ORIG. PUB. : Med. weteryn., 1957, Vol.13, No.1, 43-50

ABSTRACT : Extracts of the mushroom *Poria obliqua* Bres. have long been known in natural medicine as substances effective against cancer. The present study was performed with aqueous extracts (AE) obtained by 30-minute boiling of a macerated mass of mushrooms in water (10:90 by weight) or a 20-hour soaking. The AE substantially retarded the germination of seeds, which indicated the presence in it of a factor suppressing growth. Attempts to isolate the active substance with selective solvents were futile. The AE was subjected to paper chromatography. The chromatogram was cut into strips and the separate eluates studied biologically. by

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Subject : USSR/Engineering

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Abstract : Different methods are examined for the use of solid fuel for gas turbines. A brief description of the testing installation is given, as well as of the performance of gas producers of fuel-bed type. The test results are presented for anthracite producers with hydraulic ash removal and with fuel charging up to 1600 kg/m² hour and pressures up to 7 atmospheres. The design of a gas producer with steam-water and air cooling is discussed. These gas producers can be used for stationary and

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